

# Converting Colors

$Yxy(46.8906, 0.3341, 0.3598)$

Have a look what the booklet for  
Yxy(46.8906, 0.3341, 0.3598)  
contains.

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# Color

**Yxy(46.8441, 0.3339, 0.3593)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAB7A0
RGB	186, 183, 160
RGB Percent	73%, 72%, 63%
CMY	0.2705, 0.2824, 0.3726
CMYK	0.00, 0.02, 0.14, 0.27
HSL	53°, 16%, 68%
HSV	53°, 14%, 73%
XYZ	43.5325, 46.8441, 39.9994
YIQ	181.2750, 9.1710, -6.5170

# Conversions

## Conversions Part 2

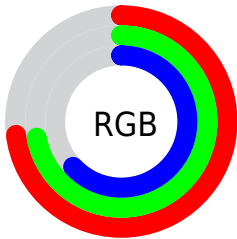
Format	Color
<a href="#">RYB</a>	<a href="#">163, 186, 160</a>
Decimal	<a href="#">12236704</a>
CIELab	<a href="#">74.09, -2.90, 12.09</a>
CIELCh	<a href="#">74, 12.432, 103.507</a>
Yxy	<a href="#">46.8441, 0.3339, 0.3593</a>
Android (android.graphics.Color)	<a href="#">4290426784 (0xFFBAB7A0)</a>
YUV	<a href="#">181.2750, -10.4886, 4.1438</a>
Hunter-Lab	<a href="#">68.4427, -6.2411, 13.2596</a>

# Details

The Yxy color **46.8441, 0.3339, 0.3593** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **37.2206, 0.2907, 0.2968**, and the grayscale version is **46.4216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5165, 0.3297, 0.3536**, and **22.0345, 0.3407, 0.3687** is the 20% darker color. If you saturate the color by 10%, you get **45.3564, 0.3499, 0.3816**, and if you desaturate by 10%, it is **48.4471, 0.3186, 0.3375**.

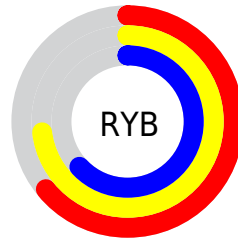
# Distribution



Red (73%)

Green (72%)

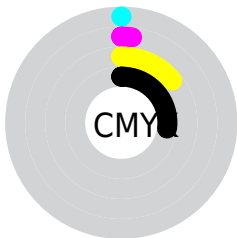
Blue (63%)



Red (64%)

Yellow (73%)

Blue (63%)

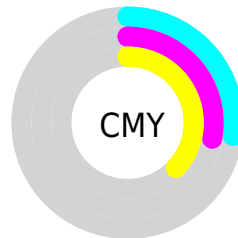


Cyan (0%)

Magenta (2%)

Yellow (14%)

Black (27%)



Cyan (27%)

Magenta (28%)


Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8441, 0.3339, 0.3593 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 46.8441, 0.3339, 0.3593 by changing the saturation by 10% instead.





 46.8441, 0.3339,  
0.3593

 46.8441, 0.3339,  
0.3593


374.1919, 0.3234,  
0.3441

 32.9124, 0.3365,  
0.3631


 85.4809, 0.3301,  
0.3537

 22.0594, 0.3398,  
0.3681


 110.9547, 0.3287,  
0.3517

 13.9005, 0.3442,  
0.3746


141.0448, 0.3274,  
0.3499

 8.0515, 0.3503,  
0.3838

176.1355, 0.3264,  
0.3484

 4.1279, 0.3592,  
0.3976

216.6111, 0.3255,  
0.3471

 1.7454, 0.3736,  
0.4207

262.8562, 0.3247,

 0.4528, 0.4426,

0.3460

0.5574

315.2549, 0.3240,  
0.3450

0.0000, 0.0000,  
0.0000

46.8441, 0.3339,  
0.3593

46.8441, 0.3339,  
0.3593

45.3564, 0.3499,  
0.3816

48.4471, 0.3186,  
0.3375

43.9735, 0.3661,  
0.4038

50.1633, 0.3042,  
0.3166

42.6926, 0.3822,  
0.4250

51.9987, 0.2908,  
0.2969

41.5088, 0.3974,  
0.4444

53.9569, 0.2786,  
0.2787

40.4164, 0.4112,  
0.4610

56.0414, 0.2675,  
0.2619

■ 39.4091, 0.4229,  
0.4738

■ 57.1394, 0.2666,  
0.2624

■ 38.4797, 0.4320,  
0.4824

■ 58.1236, 0.2668,  
0.2649

■ 37.6196, 0.4384,  
0.4866

■ 59.1219, 0.2671,  
0.2674

■ 37.1260, 0.4414,  
0.4877

■ 60.1345, 0.2673,  
0.2700

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.8441, 0.3447, 0.3529



46.8441, 0.3339, 0.3593



46.8441, 0.3176, 0.3573

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.8441, 0.3339, 0.3593



46.8441, 0.2799, 0.3160



46.8441, 0.3247, 0.3120

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.8441, 0.3339, 0.3593



37.2206, 0.2907, 0.2968

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.8441, 0.3071, 0.3026



46.8441, 0.3339, 0.3593



46.8441, 0.2816, 0.3045

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.8441, 0.3339, 0.3593



46.8441, 0.2867, 0.3316



46.8441, 0.2914, 0.2998



46.8441, 0.3393, 0.3256



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.8441, 0.3339, 0.3593



46.8441, 0.3059, 0.3512



46.8441, 0.2914, 0.2998



46.8441, 0.3189, 0.3082

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.8462, 0.3339, 0.3593



87.7623, 0.3187, 0.3376



38.2258, 0.3353, 0.3250



19.2767, 0.3198, 0.3393



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.8462, 0.3339, 0.3593



83.9739, 0.3391, 0.3666



46.9033, 0.3246, 0.3641



10.3200, 0.3267, 0.3490



25.0395, 0.4411, 0.4880



0.9336, 0.4347, 0.4930



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37.2206, 0.2907, 0.2968



62.9291, 0.2851, 0.2884



37.2270, 0.2995, 0.2934



8.8834, 0.2984, 0.3082



2.8213, 0.1527, 0.0697



0.1550, 0.1617, 0.1020



# Previews

## White Background



This preview shows how the Yxy color 46.8441, 0.3339, 0.3593 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

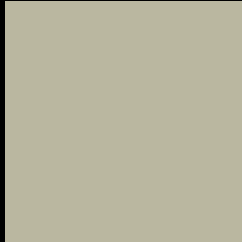
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.8441, 0.3339, 0.3593 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

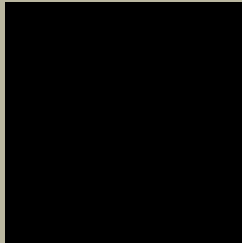
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

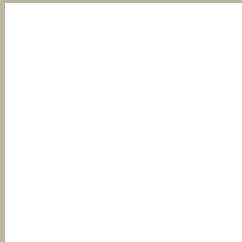
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.8441, 0.3339, 0.3593**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.8441, 0.3339, 0.3593.



This preview shows how white text looks on a background with the Yxy color 46.8441, 0.3339, 0.3593.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

46.8441, 0.3339, 0.3593

### Protanopia

47.0355, 0.3394, 0.3589

### Deuteranopia

46.4986, 0.3540, 0.3465



## Tritanopia

46.7229, 0.3127, 0.3114

# Trichromacy



## Original Color

46.8441, 0.3339, 0.3593

## Protanomaly

46.7779, 0.3376, 0.3591

## Deuteranomaly

46.5561, 0.3458, 0.3507

## Tritanomaly

46.7566, 0.3205, 0.3290

# Monochromacy



## Original Color

46.8441, 0.3339, 0.3593

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.5403, 0.3208, 0.3408

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.8441, 0.3339, 0.3593 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(186, 183, 160)` looks like.

```
.text, #text, p{  
    color:rgb(186, 183, 160)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(186, 183, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 183, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 46.8441, 0.3339, 0.3593 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 183, 160) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(186, 183, 160) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(186, 183, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 183, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 183, 160);  
box-shadow:4px 4px 4px 4px rgb(186, 183,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.8441, 0.3339, 0.3593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 183, 160) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(186,  
183, 160) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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